

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A 6-axis sensor for measuring 6-axis forces and moments or 6-axis accelerations and angular accelerations, externally applied, characterized by comprising:
  - a plurality of strain gauges disposed on one plane; and
  - a plurality of first diaphragms to which the plurality of strain gauges are attached;
  - a first member comprising one of the plurality of first diaphragms;
  - a second member comprising a second diaphragm opposed to the one of the plurality of first diaphragms and provided with a plurality of strain gauges disposed on one plane; and
  - a connecting shaft connecting the opposed first and second diaphragms;

wherein the plurality of first diaphragms are arranged around a central point of the plane at regular angular intervals and at the same distance from the central point;

6-axis forces and moments applied between the first and second members are measured;

the strain gauges of the first member and the strain gauges of the second member are disposed symmetrically with respect to a barycentric point of the 6-axis sensor;

and

either outputs of the strain gauges of the first member and the strain gauges of the second member are adopted if the other outputs are out of a predetermined range.
2. (Canceled)
3. (Canceled)
4. (Previously Presented) The 6-axis sensor according to claim 1, characterized in that the angular interval is 90 degrees.
5. (Previously Presented) The 6-axis sensor according to claim 1, characterized in that the diaphragms are disposed in positive and negative directions on X and Y axes with an origin being defined at the central point.